WHAT IS CLAIMED IS:

Sub. B1

1. A method for displaying a map in a navigation system including the steps of:

a. providing a palette having a plurality of colors;

b. displaying each of a plurality of pixels at one of the plurality of colors;

c. displaying the map including a plurality of road lines; and

d. anti-aliasing the road lines utilizing the plurality of colors.

2. The method of claim 1 further including the steps of:

e. providing a plurality of shades of each of the colors in the palette; and

f. displaying the road lines as a first color of the plurality of colors against a background of a second color of the plurality of colors.

3. The method of claim 2 further including the steps of:

g. comparing each of the pixels to an ideal road line; and

h. varying an intensity of the color of the pixels based upon said step g.

4. The method of claim 3 wherein said intensity of the color is varied in said step h by selecting one of the shades of the first color and displaying different pixels in the road lines as different shades of the first color.

5. The method of claim 4 further including the step of reducing the intensity of the first color of the pixel proportionally to a portion of the pixel not lying within the ideal road line.

6. The method of claim 5 further including the steps of:

displaying at least one of the pixels at the background color based upon a threshold portion of one of said pixels not being within the ideal road line.

7. A display system for a navigation system comprising:

a palette of a plurality of intensities of each of a plurality of colors;

an array of pixels, each selectively illuminated at one of said intensities of said colors;

said pixels selectively illuminated to display a road line of a first color of said plurality of colors against a background of a second color of said plurality of colors, said pixels comprising said road line being displayed at different intensities of said first color from said palette.

8. The display system of claim 7 wherein pixels comprising said road line are compared to an ideal road line, said intensities of said pixels being varied based upon said comparison.

9. The display system of claim 8 wherein said pixels comprising said road line are displayed at varying intensities from said palette proportionally to the overlap of said pixels with said ideal road line.

10. The display system of claim 9 wherein pixels having overlap of said ideal line less than a predetermined threshold greater than zero are displayed at the color of the background.

11. A display system for a navigation system comprising:

a palette of a plurality of intensities of each of a plurality of colors;

an array of pixels, each selectively illuminated at one of said intensities of said colors;

said pixels selectively illuminated to display a road line of a road color of said plurality of colors against a background color of said plurality of colors, said pixels comprising said road line being compared to an ideal road line, said pixels displayed at varying intensities of said road color from said palette based upon said comparison proportionally to the overlap of said pixels with said ideal road line and pixels having overlap of said ideal line less than a predetermined threshold greater than zero are displayed at the color of the background.